09/771,536   12273-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Group Art Unit: 1646
	)	
LANGRIDGE, William H.R. et al.	)	Examining Attorney:
	)	to be assigned
Serial No.: 09/771,536	)	
	)	
Filed: January 29, 2001	)	
	)	
For: Transgenic Plant-Based Vaccines	)	Pasadena, California

STATEMENT IN ACCORDANCE WITH 37 CFR 1.821(c) and (e)

BOX MISSING PARTS
Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Enclosed with this Statement is the above-identified United States application, including a Sequence Listing and a computer readable form of the sequence listing filed herewith in accordance with 37 CFR 1.821(c) and (e).

37 CFR 1.1821(f) - I hereby state that the content of the paper and computer readable copies of the Sequence Listing submitted herewith in accordance with 37 CFR 1.1821(c) and (e),

respectively, are the same.

No fee is believed due with this Communication. However, the Commissioner is hereby authorized to charge payment of any fees associated with this Communication to Deposit Account No. 19-2090.

Respectfully submitted,

SHELDON & MAK
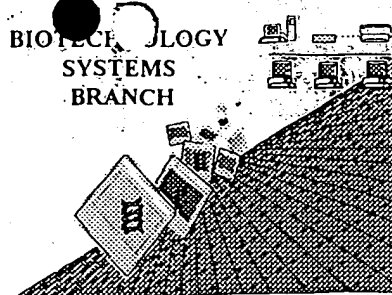a Professional Corporation

Date: May 4, 2001   By _David A. Farah_
                                        David A. Farah, M.D.
                                        Reg. No. 38,134

225 South Lake Avenue
9th Floor
Pasadena, CA 91101
626/796-4000

BIO~~TECHNO~~LOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/771,536_

Source: _OIPE_

Date Processed by STIC: _2-9-01_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING   DATE: 02/09/2001
PATENT APPLICATION: US/09/771,536   TIME: 11:18:26

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

```
      1 <110> APPLICANT: Langridge, William Yu, Jie
W-->  2 <120> TITLE OF INVENTION: Transgenic Plant-Based Vaccines<130> 12273-3<140> to be
W-->  3 <140> CURRENT APPLICATION NUMBER: US/09/771,536
W-->  0 <130> FILE REFERENCE:
C-->  3 <141> CURRENT FILING DATE: 2001-01-29
```

Does Not Comply
Corrected Diskette Needed

```
ERRORED SEQUENCES

     20 <210> SEQ ID NO: 2<211> 36<212> DNA<213> primer<400> 2       36   see p 2
E--> 21 gctctagagc caccatgatt aaattaaaat ttggtg
```

VERIFICATION SUMMARY   DATE: 02/09/2001
PATENT APPLICATION: US/09/771,536   TIME: 11:18:27

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier
L:3 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE
L:3 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:252 E: No. of Seq. differs, <211>LENGTH:Input:0 Found:36 SEQ:2

SEQUENCE LISTING<110> Langridge, William   Yu, Jie
Arakawa, Takeshi<120> Transgenic Plant-Based Vaccines<130> 12273-3<140>, to be
assigned<141> 2001-01-29<160> 15 <170> PatentIn version 3.0<210> 1<211>

Seq #1

376<212> DNA<213> Vibrio cholerae<400> 1
atgattaaat taaaatttgg tgtttttttt acagttttac tatcttcagc atatgcacat   60

ggaacacctc aaaatattac tgatttgtgt gcagaatacc acaacacaca aatacatacg   120

ctaaatgata agatattgtc gtatacagaa tctctagctg gaaacagaga gatggctatc   180

attactttta agaatggtgc aacttttcaa gtagaagtac caggtagtca acatatagat   240

tcacaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa   300

gctaaagtg aaaagttatg tgtatggaat aataaaacgc ctcatgcgat tgccgcaatt   360

agtatggcaa attggc   376

#2 <210> 2<211> 36<212> DNA<213> primer<400> 2
gctctagagc caccatgatt aaattaaaat ttggtg   36

Seq #3 <210> 3<211> 41<212> DNA<213> primer<400> 3
ctggagctcg ggccccggcc catttgccat actaattgcg g   *which? see below*   41
<220>
<223>

#4 <210> 4<211> 391<212> DNA<213> Vibrio cholerae plus artificial sequence<400>

Handwritten annotations:
format error, "hard return" enter where arrows indicate.
This error occurs throughout the sequence listing
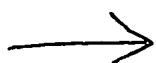<213>
please check and correct

In sequences 2 and 3 above the <213> response, primer is not valid. Valid <213> responses are:

- Genus species of organism
- Artificial sequence
- Unknown sequence

Unknown and Artificial sequences must be followed by <220>, <223> features to explain the source of genetic material in the sequences. <220> is a mandatory blank line feature, <223> is the explanation feature.

* note: primer would be a valid <223> response.

→ **The types of errors shown exist <u>throughout</u> the Sequence Listing. Please check subsequent sequences for similar errors.**